

ABSTRACT

Anti-human Mpl antibodies were isolated and purified, and then anti-human Mpl diabodies and anti-human Mpl sc(Fv)2 were purified using genetic engineering techniques. Furthermore, the present inventors succeeded in humanizing anti-human Mpl sc(Fv)2.

The diabodies and sc(Fv)2 were assayed for TPO-like agonistic activity, and were found to have activities higher than those of anti-human Mpl antibodies, or activities equivalent to or higher than those of naturally-occurring human TPO ligand.